

Express Mail No. EV 453252863 US

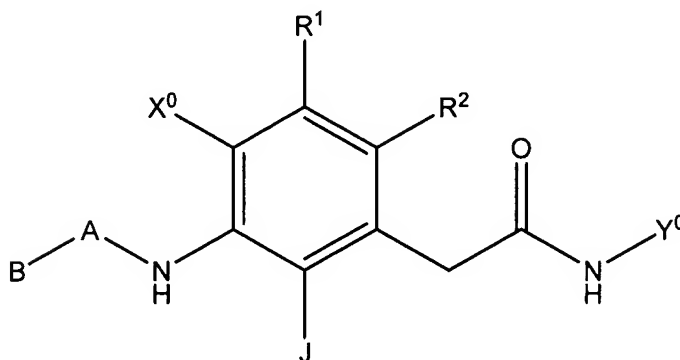
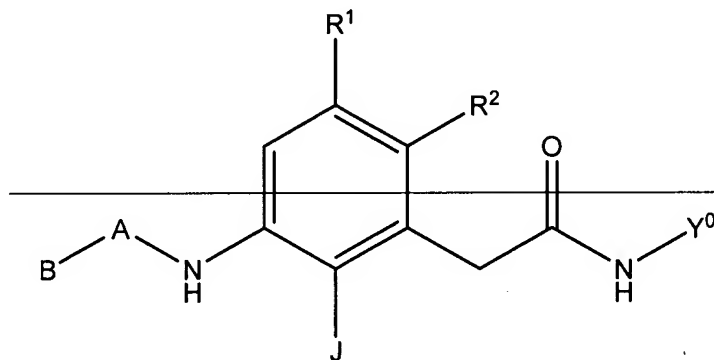
AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in this application.

Listing of Claims:

Claims 1-38 (Cancelled)

Claim 39 (Currently amended): A compound having the Formula:



or a pharmaceutically acceptable salt thereof, wherein;

J is selected from the group consisting of halo, haloalkyl, hydroxy, hydroxyalkyl, amino, aminoalkyl, cyano, O-R⁶, NH-R⁶, and S-R⁶ ~~wherein R⁶ is alkyl or haloalkyl;~~

R⁶ is alkyl or haloalkyl;

B is a C3-C7 cycloalkyl;

Express Mail No. EV 453252863 US

R^9 , R^{11} , and R^{13} are independently selected from the group consisting of hydrido, hydroxy, amino, amidino, guanidino, alkylamino, alkylthio, alkylsulfonamido, alkylsulfinyl, alkylsulfonyl, amidosulfonyl, alkyl, alkoxy, halo, haloalkyl, haloalkoxy, hydroxyalkyl, hydroxyhaloalkyl, carboxy, carboxamido, and cyano;

R^{10} and R^{12} are independently selected from the group consisting of hydrido, acetamido, haloacetamido, amidino, guanidino, alkyl, aryl, aralkyl, cycloalkyl, cycloalkylalkyl, heteroaryl, heterocyclyl, alkoxy, cycloalkoxy, cycloalkylalkoxy, aralkoxy, aryloxy, heteroaryloxy, heteroaralkoxy, heterocyclyloxy, heterocyclylalkoxy, hydroxy, amino, alkoxyamino, alkylamino, arylamino, aralkylamino, heteroarylamino, heteroaralkylamino, heterocyclylamino, heterocyclylalkylamino, alkylsulfonamido, amidosulfonyl, arylsulfinyl, aralkylsulfinyl, cycloalkylsulfinyl, heteroarylsulfinyl, arylsulfonyl, aralkylsulfonyl, cycloalkylsulfonyl, heteroarylsulfonyl, hydroxyalkyl, hydroxyhaloalkyl, aminoalkyl, carboalkoxy, carboxy, carboxyalkyl, carboxamido, halo, haloalkyl, and cyano;

A is a bond, CH_2 , CH_2CH_2 , or $CH_2CH_2CH_2$;

R^1 and X^0 are independently selected from the group consisting of hydrido and halo;

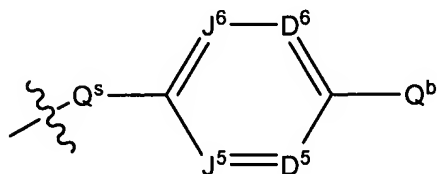
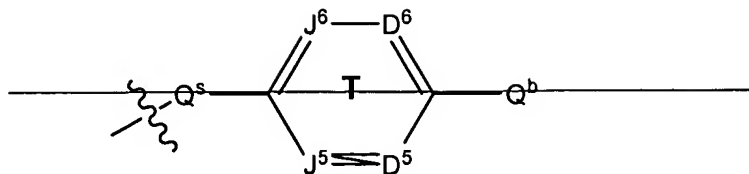
R^2 is Z^0-Q ;

Z^0 is a bond;

Q is phenyl, wherein (a) a ring carbon in a first alpha position relative to the ring carbon at the point of attachment is optionally substituted by R^9 , (b) a ring carbon in a second alpha position relative to the ring carbon at the point of attachment is optionally substituted by R^{13} , (c) a ring carbon, in a first beta position relative to the ring carbon at the point of attachment and in an alpha position relative to the ring atom optionally substituted by R^9 , is optionally substituted by R^{10} , (d) a ring carbon, in a second beta position relative to the ring carbon at the point of attachment and in an alpha position relative to the ring atom optionally substituted by R^{13} , is optionally substituted by R^{12} , and (e) a ring carbon, if present, in the gamma position relative to the ring carbon at the point of attachment and in an alpha position relative to each of the ring atoms optionally substituted by R^{10} and R^{12} , respectively, is optionally substituted by R^{11} ;

Y^0 is the formula

Express Mail No. EV 453252863 US



wherein J⁵, J⁶, D⁵, D⁶ are carbon atoms, wherein J⁵ is optionally substituted by R¹⁷, J⁶ is optionally substituted by R¹⁸, D⁵ is optionally substituted by R¹⁶ and D⁶ is optionally substituted by R¹⁹;

R¹⁶, R¹⁷, R¹⁸, and R¹⁹ are independently selected from the group consisting of hydrido, amidino, guanidino, carboxy, haloalkylthio, alkoxy, hydroxy, amino, alkylamino, alkylthio, alkylsulfinyl, alkylsulfonyl, alkanoyl, haloalkanoyl, alkyl, halo, haloalkyl, haloalkoxy, hydroxyalkyl, aminoalkyl, and cyano;

Q^b is C(NR²⁵)NR²³R²⁴;

R²³, R²⁴, and R²⁵ are independently selected from the group consisting of hydrido, alkyl, and hydroxy; and

Q^s is CH₂.

Claim 40 (Previously presented): The compound of claim 39 or a pharmaceutically acceptable salt thereof, wherein;

J is selected from the group consisting of fluoro, chloro, trifluoromethyl, hydroxy, hydroxymethyl, 1-hydroxyethyl, 2-hydroxyethyl, 1,2-dihydroxyethyl, amino, aminomethyl, 1-aminoethyl, 2-aminoethyl, methoxy, trifluoromethoxy, N-methylamino, methylthio, and trifluoromethylthio;

Express Mail No. EV 453252863 US

B is selected from the group consisting of cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, and cycloheptyl;

R⁹, R¹¹, and R¹³ are independently selected from the group consisting of hydrido, amidino, guanidino, carboxy, methyl, ethyl, propyl, isopropyl, methoxy, ethoxy, isopropoxy, propoxy, hydroxy, amino, N-methylamino, N,N-dimethylamino, N-ethylamino, methylthio, ethylthio, isopropylthio, trifluoromethyl, pentafluoroethyl, 2,2,2-trifluoroethyl, 2,2,3,3,3-pentafluoropropyl, trifluoromethoxy, 1,1,2,2-tetrafluoroethoxy, fluoro, chloro, bromo, methanesulfonamido, amidosulfonyl, N-methylamidodisulfonyl, N,N-dimethylamidodisulfonyl, hydroxymethyl, 1-hydroxyethyl, 2-hydroxyethyl, 2,2,2-trifluoro-1-hydroxyethyl, amidocarbonyl, N-methylamidocarbonyl, N,N-dimethylamidocarbonyl, and cyano;

R¹⁰ and R¹² are independently selected from the group consisting of hydrido, amidino, guanidino, carboxy, carboxymethyl, methyl, ethyl, propyl, isopropyl, methoxy, ethoxy, isopropoxy, propoxy, hydroxy, amino, methoxyamino, ethoxyamino, acetamido, trifluoroacetamido, aminomethyl, 1-aminoethyl, 2-aminoethyl, N-methylamino, dimethylamino, N-ethylamino, methanesulfonamido, amidosulfonyl, N-methylamidodisulfonyl, N,N-dimethylamidodisulfonyl, hydroxymethyl, 1-hydroxyethyl, 2-hydroxyethyl, 2,2,2-trifluoro-1-hydroxyethyl, methoxycarbonyl, ethoxycarbonyl, amidocarbonyl, N-methylamidocarbonyl, N,N-dimethylamidocarbonyl, N-benzylamidocarbonyl, N-(2-chlorobenzyl)amidocarbonyl, N-(3-fluorobenzyl)amidocarbonyl, N-(2-trifluoromethylbenzyl)amidocarbonyl, N-(1-phenylethyl)amidocarbonyl, N-(1-methyl-1-phenylethyl)amidocarbonyl, N-benzylamidodisulfonyl, N-(2-chlorobenzyl)amidodisulfonyl, N-ethylamidocarbonyl, N-isopropylamidocarbonyl, N-propylamidocarbonyl, N-isobutylamidocarbonyl, N-(2-butyl)amidocarbonyl, N-cyclobutylamidocarbonyl, N-cyclopentylamidocarbonyl, N-cyclohexylamidocarbonyl, fluoro, chloro, bromo, cyano, cyclobutoxy, cyclohexoxy, cyclohexylmethoxy, 4-trifluoromethylcyclohexylmethoxy, cyclopentoxo, benzyl, benzyloxy, 4-bromo-3-fluorophenoxy,

Express Mail No. EV 453252863 US

3-bromobenzyloxy, 4-bromobenzyloxy, 4-bromobenzylamino, 5-bromopyrid-2-ylmethylamino, 4-butoxyphenamino, 3-chlorobenzyl, 4-chlorophenoxy, 4-chloro-3-ethylphenoxy, 4-chloro-3-ethylbenzylamino, 4-chloro-3-ethylphenylamino, 3-chlorobenzyloxy, 4-chlorobenzyloxy, 4-chlorobenzylsulfonyl, 4-chlorophenylamino, 4-chlorophenylsulfonyl, 5-chloropyrid-3-yloxy, 2-cyanopyrid-3-yloxy, 2,3-difluorobenzyloxy, 2,4-difluorobenzyloxy, 3,4-difluorobenzyloxy, 2,5-difluorobenzyloxy, 3,5-difluorophenoxy, 3,5-difluorobenzyloxy, 4-difluoromethoxybenzyloxy, 2,3-difluorophenoxy, 2,4-difluorophenoxy, 2,5-difluorophenoxy, 3,5-dimethylphenoxy, 3,4-dimethylphenoxy, 3,4-dimethylbenzyloxy, 3,5-dimethylbenzyloxy, 4-ethoxyphenoxy, 4-ethylbenzyloxy, 3-ethylphenoxy, 4-ethylaminophenoxy, 3-ethyl-5-methylphenoxy, 4-fluorobenzyloxy, 2-fluoro-3-trifluoromethylbenzyloxy, 3-fluoro-5-trifluoromethylbenzyloxy, 4-fluoro-2-trifluoromethylbenzyloxy, 4-fluoro-3-trifluoromethylbenzyloxy, 2-fluorophenoxy, 4-fluorophenoxy, 2-fluoro-3-trifluoromethylphenoxy, 2-fluorobenzyloxy, 4-fluorophenylamino, 2-fluoro-4-trifluoromethylphenoxy, 4-isopropylbenzyloxy, 3-isopropylphenoxy, 4-isopropylphenoxy, 4-isopropyl-3-methylphenoxy, 4-isopropylbenzyloxy, 3-isopropylphenoxy, 4-isopropylphenoxy, 4-isopropyl-3-methylphenoxy, phenylamino, 1-phenylethoxy, 2-phenylethoxy, 2-phenylethyl, 2-phenylethylamino, phenylsulfonyl, 3-trifluoromethoxybenzyloxy, 4-trifluoromethoxybenzyloxy, 3-trifluoromethoxyphenoxy, 4-trifluoromethoxyphenoxy, 3-trifluoromethylbenzyloxy, 4-trifluoromethylbenzyloxy, 2,4-bis-trifluoromethylbenzyloxy, 3-trifluoromethylbenzyl, 3,5-bis-trifluoromethylbenzyloxy, 4-trifluoromethylphenoxy, 3-trifluoromethylphenoxy, 3-trifluoromethylthiobenzyloxy, 4-trifluoromethylthiobenzyloxy, 2,3,4-trifluorophenoxy, 2,3,5-trifluorophenoxy, 3-pentafluoroethylphenoxy, 3-(1,1,2,2-tetrafluoroethoxy)phenoxy, and 3-trifluoromethylthiophenoxy;

R¹⁶, R¹⁷, R¹⁸, and R¹⁹ are independently selected from the group consisting of hydrido, methyl, ethyl, isopropyl, propyl, carboxy, amidino, guanidino, methoxy,

Express Mail No. EV 453252863 US

ethoxy, isopropoxy, propoxy, hydroxy, amino, aminomethyl, 1-aminoethyl, 2-aminoethyl, N-methylamino, dimethylamino, N-ethylamino, methylthio, ethylthio, isopropylthio, trifluoromethylthio, methylsulfinyl, ethylsulfinyl, methylsulfonyl, ethylsulfonyl, trifluoromethyl, pentafluoroethyl, 2,2,2-trifluoroethyl, 2,2,3,3,3-pentafluoropropyl, trifluoromethoxy, 1,1,2,2-tetrafluoroethoxy, fluoro, chloro, bromo, hydroxymethyl, 1-hydroxyethyl, 2-hydroxyethyl, and cyano; and

R^{23} , R^{24} , and R^{25} are independently selected from the group consisting of hydrido, methyl, ethyl, and hydroxy.

Claim 41 (Previously presented): The compound of claim 40 or a pharmaceutically acceptable salt thereof, wherein;

J is selected from the group consisting of fluoro, chloro, trifluoromethyl, hydroxy, hydroxymethyl, amino, aminomethyl, methoxy, trifluoromethoxy, and N-methylamino;

R^1 is selected from the group consisting of hydrido, fluoro, and chloro;

Q is selected from the group consisting of
3-amidocarbonyl-5-aminophenyl, 3-amino-5-(N-benzylamidocarbonyl)phenyl, 3-amino-5-benzylphenyl, 3-amino-5-(2-phenylethyl)phenyl, 3-amino-5-benzylaminophenyl, 3-amino-5-(2-phenylethylamino)phenyl, 3-amino-5-benzyloxyphenyl, 3-amino-5-(2-phenylethoxy)phenyl, 3-amino-5-(N-(2-chlorobenzyl)amidocarbonyl)phenyl, 3-amino-5-(N-(3-fluorobenzyl)amidocarbonyl)phenyl, 3-amino-5-(N-(2-trifluoromethylbenzyl)amidocarbonyl)phenyl, 3-amino-5-(N-(1-phenylethyl)amidocarbonyl)phenyl, 3-amino-5-(N-(1-methyl-1-phenylethyl)amidocarbonyl)phenyl, 3-amino-5-(N-benzylamidosulfonyl)phenyl, 3-amino-5-(N-(2-chlorobenzyl)amidosulfonyl)phenyl, 3-amino-5-(N-ethylamidocarbonyl)phenyl, 3-amino-5-(N-isopropylamidocarbonyl)phenyl, 3-amino-5-(N-propylamidocarbonyl)phenyl, 3-amino-5-(N-isobutylamidocarbonyl)phenyl, 3-amino-5-(N-(2-butyl)amidocarbonyl)phenyl,

Express Mail No. EV 453252863 US

3-amino-5-(N-cyclobutylamidocarbonyl)phenyl,
3-amino-5-(N-cyclopentylamidocarbonyl)phenyl,
3-amino-5-(N-cyclohexylamidocarbonyl)phenyl, 5-amino-2-fluorophenyl,
3-amino-5-hydroxymethylphenyl, 5-amino-3-methoxycarbonylphenyl,
3-amidinophenyl, 3-amino-2-methylphenyl, 5-amino-2-methylthiophenyl,
3-aminophenyl, 3-amino-5-(4-trifluoromethylbenzylamino)phenyl,
3-amino-5-(4-trifluoromethylbenzyloxy)phenyl, 3-carboxyphenyl,
3-carboxy-5-hydroxyphenyl, 3-amino-5-carboxyphenyl, 3-chlorophenyl,
2-chlorophenyl, 3-cyanophenyl, 3,5-diaminophenyl, 3-dimethylaminophenyl,
2-fluorophenyl, 3-fluorophenyl, 2-hydroxyphenyl, 3-hydroxyphenyl,
3-methanesulfonylaminophenyl, 2-methoxyphenyl, 3-methoxyphenyl,
3-methoxyaminophenyl, 3-methoxycarbonylphenyl, 2-methylaminophenyl,
3-methylaminophenyl, 2-methylphenyl, 3-methylphenyl, 4-methylphenyl, phenyl, 3-
trifluoroacetamidophenyl, 3-trifluoromethylphenyl, and
2-trifluoromethylphenyl;

R^{16} and R^{19} are independently selected from the group consisting of hydrido, amidino, amino, aminomethyl, methoxy, methylamino, hydroxy, hydroxymethyl, fluoro, chloro, and cyano;

R^{17} and R^{18} are independently selected from the group consisting of hydrido, fluoro, chloro, hydroxy, hydroxymethyl, amino, carboxy, and cyano; and

R^{23} , R^{24} , and R^{25} are independently hydrido or methyl.

Claim 42 (Currently amended): The compound of claim 39, or a pharmaceutically acceptable salt thereof, wherein;

J is selected from the group consisting of halo, haloalkyl, hydroxy, hydroxyalkyl, amino, and aminoalkyl;

R^9 , R^{11} , and R^{13} are independently selected from the group consisting of hydrido, hydroxy, amino, amidino, guanidino, alkylamino, alkylthio, alkoxy, alkylsulfinyl, alkylsulfonyl, amidosulfonyl, alkyl, halo, haloalkyl, haloalkoxy, hydroxyalkyl, carboxy, carboxamido, and cyano;

Express Mail No. EV 453252863 US

R¹⁰ and R¹² are independently selected from the group consisting of hydrido, acetamido, haloacetamido, amidino, guanidino, alkyl, alkoxy, alkoxyamino, hydroxy, amino, alkylamino, alkylsulfonamido, amidosulfonyl, hydroxyalkyl, aminoalkyl, halo, haloalkyl, carboalkoxy, carboxy, carboxamido, carboxyalkyl, and cyano;

R¹⁶, R¹⁷, R¹⁸, and R¹⁹ are independently selected from the group consisting of hydrido, amidino, guanidino, carboxy, haloalkylthio, alkoxy, hydroxy, amino, alkylamino, alkylthio, alkylsulfinyl, alkylsulfonyl, alkanoyl, haloalkanoyl, alkyl, halo, haloalkyl, haloalkoxy, hydroxyalkyl, aminoalkyl, and cyano; and

R²⁰, R²¹, R²³, R²⁴, and R²⁵ are independently hydrido or alkyl.

Claim 43 (Currently amended): The compound of claim 42 or a pharmaceutically acceptable salt thereof, wherein;

J is selected from the group consisting of fluoro, chloro, trifluoromethyl, hydroxy, hydroxymethyl, amino, and aminomethyl;

R⁹, R¹¹, and R¹³ are independently selected from the group consisting of hydrido, methyl, ethyl, methoxy, ethoxy, hydroxy, amino, N-methylamino, N,N-dimethylamino, methylthio, trifluoromethyl, pentafluoroethyl, 2,2,2-trifluoroethyl, fluoro, chloro, bromo, amidosulfonyl, N-methylamidosulfonyl, N,N-dimethylamidosulfonyl, hydroxymethyl, 1-hydroxyethyl, amidocarbonyl, N-methylamidocarbonyl, carboxy, and cyano;

R¹⁰ and R¹² are independently selected from the group consisting of hydrido, amidino, amidocarbonyl, N-methylamidocarbonyl, N-benzylamidocarbonyl, N-(2-chlorobenzyl)amidocarbonyl, N-(3-fluorobenzyl)amidocarbonyl, N-(2-trifluoromethylbenzyl)amidocarbonyl, N-(1-phenylethyl)amidocarbonyl, N-(1-methyl-1-phenylethyl)amidocarbonyl, N-benzylamidosulfonyl, N-(2-chlorobenzyl)amidosulfonyl, N-ethylamidocarbonyl, N-isopropylamidocarbonyl, N-propylamidocarbonyl, N-isobutylamidocarbonyl, N-(2-butyl)amidocarbonyl, N-cyclobutylamidocarbonyl, N-cyclopentylamidocarbonyl, N-cyclohexylamidocarbonyl, guanidino, methyl, ethyl, methoxy, ethoxy, hydroxy, hydroxymethyl, 1-hydroxyethyl, 2-hydroxyethyl, carboxy, carboxymethyl, amino,

Express Mail No. EV 453252863 US

acetamido, trifluoromethyl, pentafluoroethyl, 2,2,2-trifluoroethyl, trifluoroacetamido, aminomethyl, N-methylamino, dimethylamino, methoxyamino, amidosulfonyl, N-methylamidodisulfonyl, N,N-dimethylamidodisulfonyl, methanesulfonamido, methoxycarbonyl, fluoro, chloro, bromo, and cyano;

X⁰ is selected from the group consisting of hydrido, chloro, and fluoro;

R¹ is selected from the group consisting of hydrido, fluoro, and chloro;

R¹⁶, R¹⁷, R¹⁸, and R¹⁹ are independently selected from the group consisting of hydrido, methyl, ethyl, amidino, guanidino, methoxy, hydroxy, amino, aminomethyl, 1-aminoethyl, 2-aminoethyl, N-methylamino, dimethylamino, methylthio, ethylthio, trifluoromethylthio, methylsulfinyl, methylsulfonyl, trifluoromethyl, pentafluoroethyl, 2,2,2-trifluoroethyl, trifluoromethoxy, fluoro, chloro, hydroxymethyl, carboxy, and cyano; and

R²⁰, R²¹, R²³, R²⁴, and R²⁵ are independently selected from the group consisting of hydrido, methyl, and ethyl.

Claim 44 (Previously presented): The compound of claim 43 or a pharmaceutically acceptable salt thereof, wherein;

J is selected from the group consisting of fluoro, trifluoromethyl, hydroxy, hydroxymethyl, amino, and aminomethyl;

X⁰ is selected from the group consisting of hydrido, and fluoro;

R¹ is selected from the group consisting of hydrido, and fluoro;

R² is selected from the group consisting of
3-amidocarbonyl-5-aminophenyl, 3-amidocarbonyl-5-aminophenyl,
3-amino-5-(N-benzylamidocarbonyl)phenyl,
3-amino-5-(N-(2-chlorobenzyl)amidocarbonyl)phenyl,
3-amino-5-(N-(3-fluorobenzyl)amidocarbonyl)phenyl,
3-amino-5-(N-(2-trifluoromethylbenzyl)amidocarbonyl)phenyl,
3-amino-5-(N-(1-phenylethyl)amidocarbonyl)phenyl,
3-amino-5-(N-(1-methyl-1-phenylethyl)amidocarbonyl)phenyl,
3-amino-5-(N-benzylamidodisulfonyl)phenyl,
3-amino-5-(N-(2-chlorobenzyl)amidodisulfonyl)phenyl,

Express Mail No. EV 453252863 US

3-amino-5-(N-ethylamidocarbonyl)phenyl,
3-amino-5-(N-isopropylamidocarbonyl)phenyl,
3-amino-5-(N-propylamidocarbonyl)phenyl,
3-amino-5-(N-isobutylamidocarbonyl)phenyl,
3-amino-5-(N-(2-butyl)amidocarbonyl)phenyl,
3-amino-5-(N-cyclobutylamidocarbonyl)phenyl,
3-amino-5-(N-cyclopentylamidocarbonyl)phenyl,
3-amino-5-(N-cyclohexylamidocarbonyl)phenyl, 5-amino-2-fluorophenyl,
3-amino-5-hydroxymethylphenyl, 5-amino-3-methoxycarbonylphenyl,
3-amidinophenyl, 3-amino-2-methylphenyl, 5-amino-2-methylthiophenyl,
3-aminophenyl, 3-carboxyphenyl, 3-carboxy-5-aminophenyl,
3-carboxy-5-hydroxyphenyl, 3-carboxymethyl-5-aminophenyl,
3-carboxymethyl-5-hydroxyphenyl, 3-carboxymethylphenyl, 3-chlorophenyl, 2-
chlorophenyl, 3-cyanophenyl, 3,5-diaminophenyl, 3-dimethylaminophenyl,
2-fluorophenyl, 3-fluorophenyl, 2,5-difluorophenyl, 2-hydroxyphenyl,
3-hydroxyphenyl, 3-methanesulfonylaminophenyl, 2-methoxyphenyl,
3-methoxyphenyl, 3-methoxyaminophenyl, 3-methoxycarbonylphenyl,
2-methylaminophenyl, 3-methylaminophenyl, 2-methylphenyl, 3-methylphenyl, 4-
methylphenyl, phenyl, 3-trifluoroacetamidophenyl, 3-trifluoromethylphenyl, and 2-
trifluoromethylphenyl;

R¹⁶ and R¹⁹ are independently selected from the group consisting of hydrido, amidino, amino, aminomethyl, methoxy, methylamino, hydroxy, hydroxymethyl, fluoro, chloro, and cyano;

R¹⁷ and R¹⁸ are independently selected from the group consisting of hydrido, fluoro, chloro, hydroxy, hydroxymethyl, amino, carboxy, and cyano; and

R²³, R²⁴, and R²⁵ are independently hydrido or methyl.

Claim 45 (Previously presented): The compound of claim 44 or a pharmaceutically acceptable salt thereof, wherein;

J is selected from the group consisting of fluoro, hydroxy, hydroxymethyl, and amino;

Express Mail No. EV 453252863 US

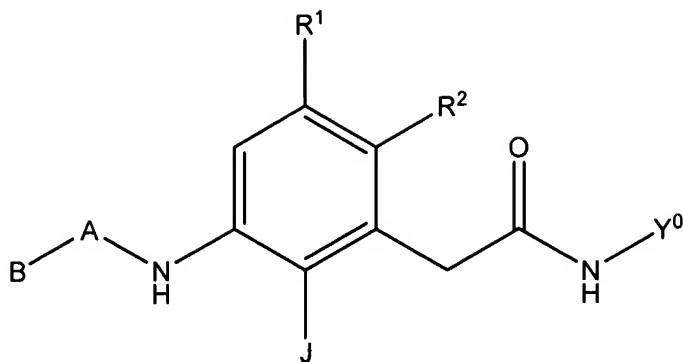
B is selected from the group consisting of cyclopropyl, cyclobutyl, cyclopentyl, and cyclohexyl;

R² is selected from the group consisting of
3-amidocarbonyl-5-aminophenyl, 3-amino-5-(N-benzylamidocarbonyl)phenyl, 3-amino-5-(N-(2-chlorobenzyl)amidocarbonyl)phenyl,
3-amino-5-(N-(3-fluorobenzyl)amidocarbonyl)phenyl,
3-amino-5-(N-(2-trifluoromethylbenzyl)amidocarbonyl)phenyl,
3-amino-5-(N-(1-phenylethyl)amidocarbonyl)phenyl,
3-amino-5-(N-(1-methyl-1-phenylethyl)amidocarbonyl)phenyl,
3-amino-5-(N-benzylamidosulfonyl)phenyl,
3-amino-5-(N-(2-chlorobenzyl)amidosulfonyl)phenyl,
3-amino-5-(N-ethylamidocarbonyl)phenyl,
3-amino-5-(N-isopropylamidocarbonyl)phenyl,
3-amino-5-(N-propylamidocarbonyl)phenyl,
3-amino-5-(N-isobutylamidocarbonyl)phenyl,
3-amino-5-(N-(2-butyl)amidocarbonyl)phenyl,
3-amino-5-(N-cyclobutylamidocarbonyl)phenyl,
3-amino-5-(N-cyclopentylamidocarbonyl)phenyl,
3-amino-5-(N-cyclohexylamidocarbonyl)phenyl, 3-aminophenyl,
3-carboxy-5-aminophenyl, 3-chlorophenyl, 3,5-diaminophenyl,
3-dimethylaminophenyl, 3-hydroxyphenyl, 3-methanesulfonylaminophenyl,
3-methylaminophenyl, 2-methylphenyl, 3-methylphenyl, phenyl, and
3-trifluoroacetamidophenyl; and

Y⁰ is selected from the group consisting of 4-amidinobenzyl, 2-fluoro-4-amidinobenzyl, and 3-fluoro-4-amidinobenzyl.

Claim 46 (Currently amended): The compound of claim 39, **having the Formula**

Express Mail No. EV 453252863 US



or a pharmaceutically acceptable salt thereof, wherein:

R² is 3-aminophenyl, B is cyclopropyl, A is a bond, Y⁰ is 4-amidinobenzyl, J is hydroxy, and R¹ is chloro;

R² is 3-aminophenyl, B is cyclobutyl, A is a bond, Y⁰ is 4-amidino-2-fluorobenzyl, J is hydroxy, and R¹ is chloro;

R² is 3-aminophenyl, B is cyclobutyl, A is a bond, Y⁰ is 4-amidinobenzyl, J is hydroxy, and R¹ is chloro;

R² is 3-aminophenyl, B is cyclopropyl, A is a bond, Y⁰ is 4-amidino-2-fluorobenzyl, J is hydroxy, and R¹ is chloro;

R² is 3-aminophenyl, B is cyclobutyl, A is a bond, Y⁰ is 4-amidinobenzyl, J is hydroxy, and R¹ is hydrido;

R² is 3-aminophenyl, B is cyclobutyl, A is a bond, Y⁰ is 4-amidino-3-fluorobenzyl, J is hydroxy, and R¹ is chloro;

R² is 3-aminophenyl, B is cyclopentyl, A is a bond, Y⁰ is 4-amidinobenzyl, J is hydroxy, and R¹ is chloro;

R² is 3-aminophenyl, B is cyclopropyl, A is CH₂, Y⁰ is 4-amidinobenzyl, J is hydroxy, and R¹ is chloro;

R² is 3-aminophenyl, B is 2-(2R)-bicyclo[2.2.1]-heptyl, A is a bond, Y⁰ is 4-amidinobenzyl, J is hydroxy, and R¹ is chloro;

R² is 3-aminophenyl, B is cyclopentyl, A is a bond, Y⁰ is 4-amidino-2-fluorobenzyl, J is hydroxy, and R¹ is chloro;

Express Mail No. EV 453252863 US

R² is 3-aminophenyl, B is cyclohexyl, A is CH₂CH₂, Y⁰ is 4-amidinobenzyl, J is hydroxy, and R¹ is hydrido;

R² is 3-aminophenyl, B is oxalan-2-yl, A is CH₂, Y⁰ is 4-amidinobenzyl, J is hydroxy, and R¹ is chloro;

R² is 3-aminophenyl, B is 1-piperidiny, A is CH₂CH₂, Y⁰ is 4-amidinobenzyl, J is hydroxy, and R¹ is chloro;

R² is 3-aminophenyl, B is 1-pyrrolidiny, A is CH₂CH₂CH₂, Y⁰ is 4-amidinobenzyl, J is hydroxy, and R¹ is chloro;

R² is 3-amino-5-carbomethoxyphenyl, B is cyclobutyl, A is a bond, Y⁰ is 4-amidinobenzyl, J is hydroxy, and R¹ is hydrido;

R² is 3-amino-5-carboxyphenyl, B is cyclobutyl, A is a bond, Y⁰ is 4-amidinobenzyl, J is hydroxy, and R¹ is hydrido;

R² is 3,5-diaminophenyl, B is cyclobutyl, A is a bond, Y⁰ is 4-amidinobenzyl, J is hydroxy, and R¹ is hydrido;

R² is 2-amino-6-carboxy-4-pyridyl, B is cyclobutyl, A is a bond, Y⁰ is 4-amidinobenzyl, J is hydroxy, and R¹ is hydrido;

R² is 3-amino-5-carbomethoxyphenyl, B is cyclobutyl, A is a bond, Y⁰ is 4-amidinobenzyl, J is hydroxy, and R¹ is chloro;

R² is 3-amino-5-carboxyphenyl, B is cyclobutyl, A is a bond, Y⁰ is 4-amidinobenzyl, J is hydroxy, and R¹ is chloro;

R² is 3,5-diaminophenyl, B is cyclopropyl, A is a bond, Y⁰ is 4-amidinobenzyl, J is hydroxy, and R¹ is chloro;

R² is 3,5-diaminophenyl, B is cyclobutyl, A is a bond, Y⁰ is 4-amidino-2-fluorobenzyl, J is hydroxy, and R¹ is chloro;

R² is 3,5-diaminophenyl, B is cyclopropyl, A is a bond, Y⁰ is 4-amidino-2-fluorobenzyl, J is hydroxy, and R¹ is chloro;

R² is 3,5-diaminophenyl, B is cyclobutyl, A is a bond, Y⁰ is 4-amidinobenzyl, J is hydroxy, and R¹ is hydrido;

R² is 3,5-diaminophenyl, B is cyclobutyl, A is a bond, Y⁰ is 4-amidino-3-fluorobenzyl, J is hydroxy, and R¹ is chloro;

Express Mail No. EV 453252863 US

R² is 3,5-diaminophenyl, B is cyclopentyl, A is a bond, Y⁰ is 4-amidinobenzyl, J is hydroxy, and R¹ is chloro;

R² is 3-carboxy-5-aminophenyl, B is cyclopropyl, A is a bond, Y⁰ is 4-amidinobenzyl, J is hydroxy, and R¹ is chloro;

R² is 3-carboxy-5-aminophenyl, B is cyclobutyl, A is a bond, Y⁰ is 4-amidino-2-fluorobenzyl, J is hydroxy, and R¹ is chloro;

R² is 3-carboxy-5-aminophenyl, B is cyclopropyl, A is a bond, Y⁰ is 4-amidino-2-fluorobenzyl, J is hydroxy, and R¹ is chloro;

R² is 3-carboxy-5-aminophenyl, B is cyclobutyl, A is a bond, Y⁰ is 4-amidinobenzyl, J is hydroxy, and R¹ is hydrido;

R² is 3-carboxy-5-aminophenyl, B is cyclobutyl, A is a bond, Y⁰ is 4-amidino-3-fluorobenzyl, J is hydroxy, and R¹ is chloro;

R² is 3-carboxy-5-aminophenyl, B is cyclopentyl, A is a bond, Y⁰ is 4-amidinobenzyl, J is hydroxy, and R¹ is chloro;

R² is 3-amino-5-(N-benzylamidocarbonyl)phenyl, B is cyclopropyl, A is a bond, Y⁰ is 4-amidinobenzyl, J is hydroxy, and R¹ is chloro;

R² is 3-amino-5-(N-benzylamidocarbonyl)phenyl, B is cyclobutyl, A is a bond, Y⁰ is 4-amidino-2-fluorobenzyl, J is hydroxy, and R¹ is chloro;

R² is 3-amino-5-(N-benzylamidocarbonyl)phenyl, B is cyclobutyl, A is a bond, Y⁰ is 4-amidinobenzyl, J is hydroxy, and R¹ is chloro;

R² is 3-amino-5-(N-benzylamidocarbonyl)phenyl, B is cyclopropyl, A is a bond, Y⁰ is 4-amidino-2-fluorobenzyl, J is hydroxy, and R¹ is chloro;

R² is 3-amino-5-(N-benzylamidocarbonyl)phenyl, B is cyclobutyl, A is a bond, Y⁰ is 4-amidinobenzyl, J is hydroxy, and R¹ is hydrido;

R² is 3-amino-5-(N-benzylamidocarbonyl)phenyl, B is cyclobutyl, A is a bond, Y⁰ is 4-amidino-3-fluorobenzyl, J is hydroxy, and R¹ is chloro;

R² is 3-amino-5-(N-benzylamidocarbonyl)phenyl, B is cyclopentyl, A is a bond, Y⁰ is 4-amidinobenzyl, J is hydroxy, and R¹ is chloro;

R² is 3-amino-5-(N-(2-chlorobenzyl)amidosulfonyl)phenyl, B is cyclopropyl, A is a bond, Y⁰ is 4-amidinobenzyl, J is hydroxy, and R¹ is chloro;

Express Mail No. EV 453252863 US

R² is 3-amino-5-(N-(2-chlorobenzyl)amidosulfonyl)phenyl, B is cyclobutyl, A is a bond, Y⁰ is 4-amidino-2-fluorobenzyl, J is hydroxy, and R¹ is chloro;

R² is 3-amino-5-(N-(2-chlorobenzyl)amidosulfonyl)phenyl, B is cyclobutyl, A is a bond, Y⁰ is 4-amidinobenzyl, J is hydroxy, and R¹ is chloro;

R² is 3-amino-5-(N-(2-chlorobenzyl)amidosulfonyl)phenyl, B is cyclopropyl, A is a bond, Y⁰ is 4-amidino-2-fluorobenzyl, J is hydroxy, and R¹ is chloro;

R² is 3-amino-5-(N-(2-chlorobenzyl)amidosulfonyl)phenyl, B is cyclobutyl, A is a bond, Y⁰ is 4-amidinobenzyl, J is hydroxy, and R¹ is hydrido;

R² is 3-amino-5-(N-(2-chlorobenzyl)amidosulfonyl)phenyl, B is cyclobutyl, A is a bond, Y⁰ is 4-amidino-3-fluorobenzyl, J is hydroxy, and R¹ is chloro;

R² is 3-amino-5-(N-(2-chlorobenzyl)amidosulfonyl)phenyl, B is cyclopentyl, A is a bond, Y⁰ is 4-amidinobenzyl, J is hydroxy, and R¹ is chloro;

R² is 3-amino-5-(N-(2-trifluoromethylbenzyl)amidocarbonyl)-phenyl, B is cyclopropyl, A is a bond, Y⁰ is 4-amidinobenzyl, J is hydroxy, and R¹ is chloro;

R² is 3-amino-5-(N-(2-trifluoromethylbenzyl)amidocarbonyl)-phenyl, B is cyclobutyl, A is a bond, Y⁰ is 4-amidino-2-fluorobenzyl, J is hydroxy, and R¹ is chloro;

R² is 3-amino-5-(N-(2-trifluoromethylbenzyl)amidocarbonyl)-phenyl, B is cyclobutyl, A is a bond, Y⁰ is 4-amidinobenzyl, J is hydroxy, and R¹ is chloro;

R² is 3-amino-5-(N-(2-trifluoromethylbenzyl)amidocarbonyl)-phenyl, B is cyclopropyl, A is a bond, Y⁰ is 4-amidino-2-fluorobenzyl, J is hydroxy, and R¹ is chloro;

R² is 3-amino-5-(N-(2-trifluoromethylbenzyl)amidocarbonyl)-phenyl, B is cyclobutyl, A is a bond, Y⁰ is 4-amidinobenzyl, J is hydroxy, and R¹ is hydrido;

R² is 3-amino-5-(N-(2-trifluoromethylbenzyl)amidocarbonyl)-phenyl, B is cyclobutyl, A is a bond, Y⁰ is 4-amidino-3-fluorobenzyl, J is hydroxy, and R¹ is chloro;

R² is 3-amino-5-(N-(2-trifluoromethylbenzyl)amidocarbonyl)-phenyl, B is cyclopentyl, A is a bond, Y⁰ is 4-amidinobenzyl, J is hydroxy, and R¹ is chloro;

R² is 3-aminophenyl, B is cyclopropyl, A is a bond, Y⁰ is 4-amidinobenzyl, J is fluoro, and R¹ is chloro;

R² is 3-aminophenyl, B is cyclobutyl, A is a bond, Y⁰ is 4-amidino-2-fluorobenzyl, J is fluoro, and R¹ is chloro;

Express Mail No. EV 453252863 US

R² is 3-aminophenyl, B is cyclobutyl, A is a bond, Y⁰ is 4-amidinobenzyl, J is fluoro, and R¹ is chloro;

R² is 3-aminophenyl, B is cyclopropyl, A is a bond, Y⁰ is 4-amidino-2-fluorobenzyl, J is fluoro, and R¹ is chloro;

R² is 3-aminophenyl, B is cyclobutyl, A is a bond, Y⁰ is 4-amidinobenzyl, J is fluoro, and R¹ is hydrido;

R² is 3-aminophenyl, B is cyclobutyl, A is a bond, Y⁰ is 4-amidino-3-fluorobenzyl, J is fluoro, and R¹ is chloro;

R² is 3-aminophenyl, B is cyclopentyl, A is a bond, Y⁰ is 4-amidinobenzyl, J is fluoro, and R¹ is chloro;

R² is 5-amino-2-thienyl, B is cyclobutyl, A is a bond, Y⁰ is 4-amidinobenzyl, J is fluoro, and R¹ is chloro;

R² is 3-aminophenyl, B is cyclopropyl, A is CH₂, Y⁰ is 4-amidinobenzyl, J is fluoro, and R¹ is chloro;

R² is 3-aminophenyl, B is cyclopentyl, A is a bond, Y⁰ is 4-amidino-2-fluorobenzyl, J is fluoro, and R¹ is chloro;

R² is 3-aminophenyl, B is cyclohexyl, A is CH₂CH₂, Y⁰ is 4-amidinobenzyl, J is fluoro, and R¹ is hydrido;

R² is 3-amino-5-carbomethoxyphenyl, B is cyclobutyl, A is a bond, Y⁰ is 4-amidinobenzyl, J is fluoro, and R¹ is hydrido;

R² is 3-amino-5-carboxyphenyl, B is cyclobutyl, A is a bond, Y⁰ is 4-amidinobenzyl, J is fluoro, and R¹ is hydrido;

R² is 3,5-diaminophenyl, B is cyclobutyl, A is a bond, Y⁰ is 4-amidinobenzyl, J is fluoro, and R¹ is hydrido;

R² is 2-amino-6-carboxy-4-pyridyl, B is cyclobutyl, A is a bond, Y⁰ is 4-amidinobenzyl, J is fluoro, and R¹ is hydrido;

R² is 3-amino-5-carbomethoxyphenyl, B is cyclobutyl, A is a bond, Y⁰ is 4-amidinobenzyl, J is fluoro, and R¹ is chloro;

R² is 3-amino-5-carboxyphenyl, B is cyclobutyl, A is a bond, Y⁰ is 4-amidinobenzyl, J is fluoro, and R¹ is chloro;

Express Mail No. EV 453252863 US

R² is 3,5-diaminophenyl, B is cyclopropyl, A is a bond, Y⁰ is 4-amidinobenzyl, J is fluoro, and R¹ is chloro;

R² is 3,5-diaminophenyl, B is cyclobutyl, A is a bond, Y⁰ is 4-amidino-2-fluorobenzyl, J is fluoro, and R¹ is chloro;

R² is 3,5-diaminophenyl, B is cyclopropyl, A is a bond, Y⁰ is 4-amidino-2-fluorobenzyl, J is fluoro, and R¹ is chloro;

R² is 3,5-diaminophenyl, B is cyclobutyl, A is a bond, Y⁰ is 4-amidinobenzyl, J is fluoro, and R¹ is hydrido;

R² is 3,5-diaminophenyl, B is cyclobutyl, A is a bond, Y⁰ is 4-amidino-3-fluorobenzyl, J is fluoro, and R¹ is chloro;

R² is 3,5-diaminophenyl, B is cyclopentyl, A is a bond, Y⁰ is 4-amidinobenzyl, J is fluoro, and R¹ is chloro;

R² is 3-carboxy-5-aminophenyl, B is cyclopropyl, A is a bond, Y⁰ is 4-amidinobenzyl, J is fluoro, and R¹ is chloro;

R² is 3-carboxy-5-aminophenyl, B is cyclobutyl, A is a bond, Y⁰ is 4-amidino-2-fluorobenzyl, J is fluoro, and R¹ is chloro;

R² is 3-carboxy-5-aminophenyl, B is cyclopropyl, A is a bond, Y⁰ is 4-amidino-2-fluorobenzyl, J is fluoro, and R¹ is chloro;

R² is 3-carboxy-5-aminophenyl, B is cyclobutyl, A is a bond, Y⁰ is 4-amidinobenzyl, J is fluoro, and R¹ is hydrido;

R² is 3-carboxy-5-aminophenyl, B is cyclobutyl, A is a bond, Y⁰ is 4-amidino-3-fluorobenzyl, J is fluoro, and R¹ is chloro;

R² is 3-carboxy-5-aminophenyl, B is cyclopentyl, A is a bond, Y⁰ is 4-amidinobenzyl, J is fluoro, and R¹ is chloro;

R² is 3-amino-5-(N-benzylamidocarbonyl)phenyl, B is cyclopropyl, A is a bond, Y⁰ is 4-amidinobenzyl, J is fluoro, and R¹ is chloro;

R² is 3-amino-5-(N-benzylamidocarbonyl)phenyl, B is cyclobutyl, A is a bond, Y⁰ is 4-amidino-2-fluorobenzyl, J is fluoro, and R¹ is chloro;

R² is 3-amino-5-(N-benzylamidocarbonyl)phenyl, B is cyclobutyl, A is a bond, Y⁰ is 4-amidinobenzyl, J is fluoro, and R¹ is chloro;

Express Mail No. EV 453252863 US

R² is 3-amino-5-(N-benzylamidocarbonyl)phenyl, B is cyclopropyl, A is a bond, Y⁰ is 4-amidino-2-fluorobenzyl, J is fluoro, and R¹ is chloro;

R² is 3-amino-5-(N-benzylamidocarbonyl)phenyl, B is cyclobutyl, A is a bond, Y⁰ is 4-amidinobenzyl, J is fluoro, and R¹ is hydrido;

R² is 3-amino-5-(N-benzylamidocarbonyl)phenyl, B is cyclobutyl, A is a bond, Y⁰ is 4-amidino-3-fluorobenzyl, J is fluoro, and R¹ is chloro;

R² is 3-amino-5-(N-benzylamidocarbonyl)phenyl, B is cyclopentyl, A is a bond, Y⁰ is 4-amidinobenzyl, J is fluoro, and R¹ is chloro;

R² is 3-amino-5-(N-(2-chlorobenzyl)amidosulfonyl)phenyl, B is cyclopropyl, A is a bond, Y⁰ is 4-amidinobenzyl, J is fluoro, and R¹ is chloro;

R² is 3-amino-5-(N-(2-chlorobenzyl)amidosulfonyl)phenyl, B is cyclobutyl, A is a bond, Y⁰ is 4-amidino-2-fluorobenzyl, J is fluoro, and R¹ is chloro;

R² is 3-amino-5-(N-(2-chlorobenzyl)amidosulfonyl)phenyl, B is cyclobutyl, A is a bond, Y⁰ is 4-amidinobenzyl, J is fluoro, and R¹ is chloro;

R² is 3-amino-5-(N-(2-chlorobenzyl)amidosulfonyl)phenyl, B is cyclopropyl, A is a bond, Y⁰ is 4-amidino-2-fluorobenzyl, J is fluoro, and R¹ is chloro;

R² is 3-amino-5-(N-(2-chlorobenzyl)amidosulfonyl)phenyl, B is cyclobutyl, A is a bond, Y⁰ is 4-amidinobenzyl, J is fluoro, and R¹ is hydrido;

R² is 3-amino-5-(N-(2-chlorobenzyl)amidosulfonyl)phenyl, B is cyclobutyl, A is a bond, Y⁰ is 4-amidino-3-fluorobenzyl, J is fluoro, and R¹ is chloro;

R² is 3-amino-5-(N-(2-chlorobenzyl)amidosulfonyl)phenyl, B is cyclopentyl, A is a bond, Y⁰ is 4-amidinobenzyl, J is fluoro, and R¹ is chloro;

R² is 3-amino-5-(N-(2-trifluoromethylbenzyl)amidocarbonyl)-phenyl, B is cyclopropyl, A is a bond, Y⁰ is 4-amidinobenzyl, J is fluoro, and R¹ is chloro;

R² is 3-amino-5-(N-(2-trifluoromethylbenzyl)amidocarbonyl)-phenyl, B is cyclobutyl, A is a bond, Y⁰ is 4-amidino-2-fluorobenzyl, J is fluoro, and R¹ is chloro;

R² is 3-amino-5-(N-(2-trifluoromethylbenzyl)amidocarbonyl)-phenyl, B is cyclobutyl, A is a bond, Y⁰ is 4-amidinobenzyl, J is fluoro, and R¹ is chloro;

R² is 3-amino-5-(N-(2-trifluoromethylbenzyl)amidocarbonyl)-phenyl, B is cyclopropyl, A is a bond, Y⁰ is 4-amidino-2-fluorobenzyl, J is fluoro, and R¹ is chloro; or

Express Mail No. EV 453252863 US

R^2 is 3-amino-5-(N-(2-trifluoromethylbenzyl)amidocarbonyl)-phenyl, B is cyclobutyl, A is a bond, Y^0 is 4-amidinobenzyl, J is fluoro, and R^1 is hydrido.

Claim 47 (Previously presented): A composition for inhibiting thrombotic conditions in blood comprising a compound of claim 39 and a pharmaceutically acceptable carrier.

Claim 48 (Previously presented): A composition for inhibiting thrombotic conditions in blood comprising a compound of claim 39 and a pharmaceutically acceptable carrier.

Claim 49 (Previously presented): A method for inhibiting thrombotic conditions in blood comprising adding to blood a therapeutically effective amount of a composition of claim 39.

Claim 50 (Previously presented): A method for inhibiting formation of blood platelet aggregates in blood comprising adding to blood a therapeutically effective amount of a composition of claim 39.

Claim 51 (Previously presented): A method for inhibiting thrombus formation in blood comprising adding to blood a therapeutically effective amount of a composition of claim 39.

Claim 52 (Previously presented): A method for treating or preventing venous thromboembolism and pulmonary embolism in a mammal comprising administering to the mammal a therapeutically effective amount of a composition of claim 39.

Claim 53 (Previously presented): A method for treating or preventing deep vein thrombosis in a mammal comprising administering to the mammal a therapeutically effective amount of a composition of claim 39.

Express Mail No. EV 453252863 US

Claim 54 (Previously presented): A method for treating or preventing cardiogenic thromboembolism in a mammal comprising administering to the mammal a therapeutically effective amount of a composition of claim 39.

Claim 55 (Previously presented): A method for treating or preventing thromboembolic stroke in humans and other mammals comprising administering to the mammal a therapeutically effective amount of a composition of claim 39.

Claim 56 (Previously presented): A method for treating or preventing thrombosis associated with cancer and cancer chemotherapy in humans and other mammals comprising administering to the mammal a therapeutically effective amount of a composition of claim 39.

Claim 57 (Previously presented): A method for treating or preventing unstable angina in humans and other mammals comprising administering to the mammal a therapeutically effective amount of a composition of claim 39.

Claim 58 (Previously presented): A method for inhibiting thrombus formation in blood comprising adding to blood a therapeutically effective amount of a compound of claim 39 with a therapeutically effective amount of fibrinogen receptor antagonist.

Claim 59 (Cancelled)

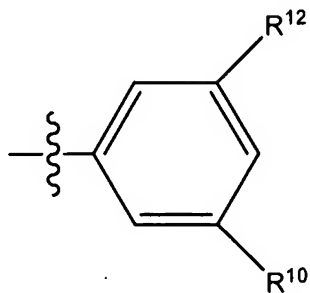
Claim 60 (Cancelled)

Claim 61 (Previously presented): The compound of claim 39 wherein A is a bond, X⁰ is hydrido and R¹ is hydrido or halo.

Claim 62 (Previously presented): The compound of claim 61 wherein J is hydroxy or fluoro.

Express Mail No. EV 453252863 US

Claim 63 (Previously presented): The compound of claim 62 wherein R² is



and R¹⁰ and R¹² are as defined in claim 39.

Claim 64 (Cancelled)